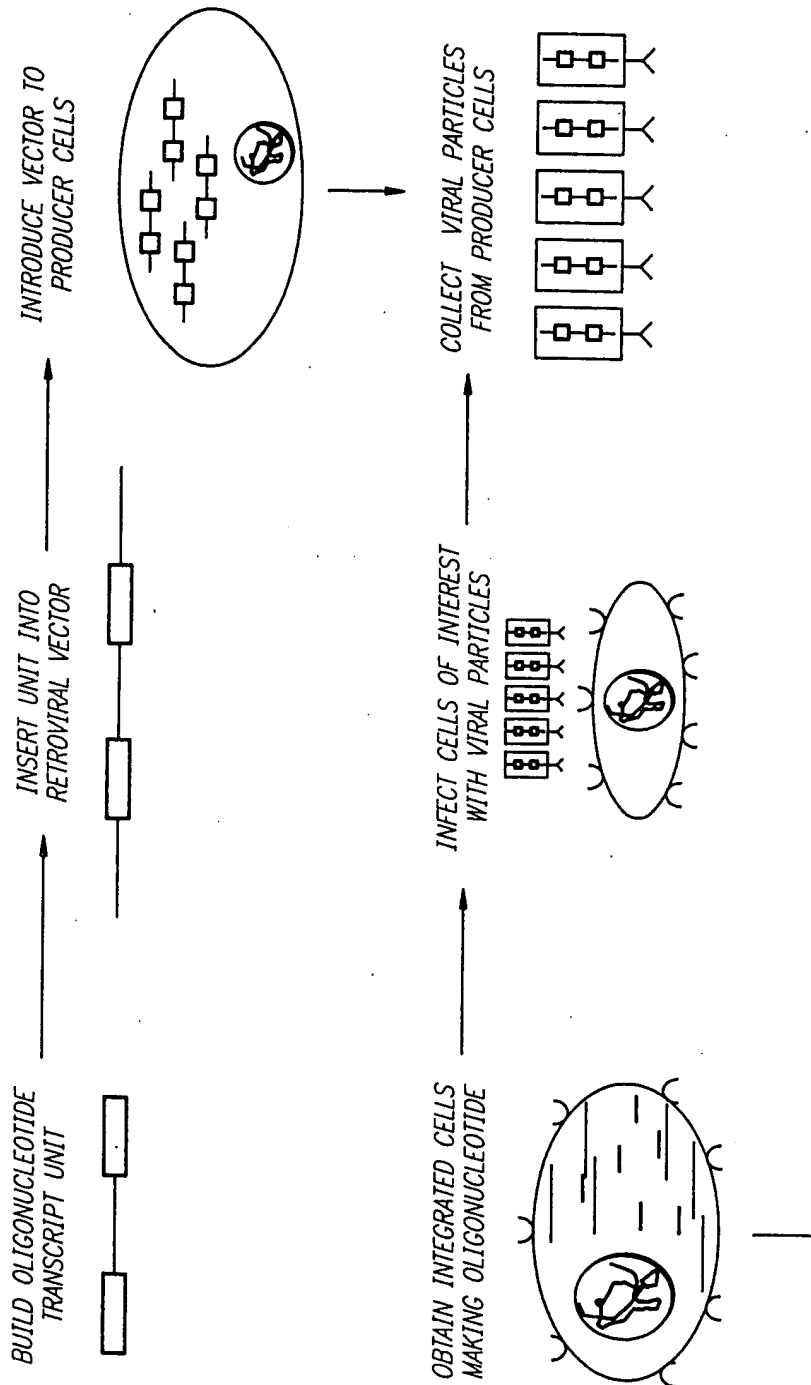


7-25-96

5624803

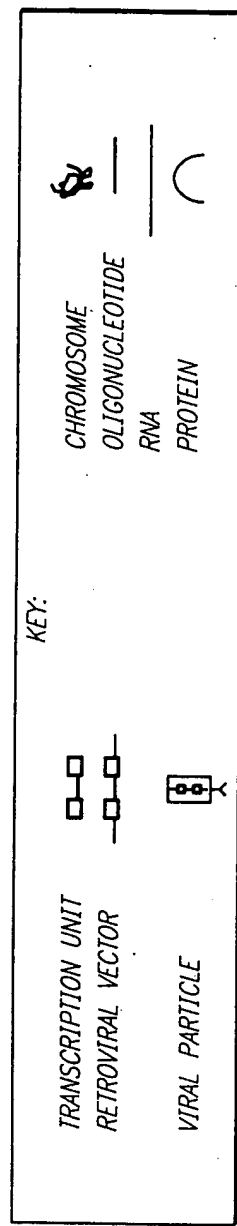
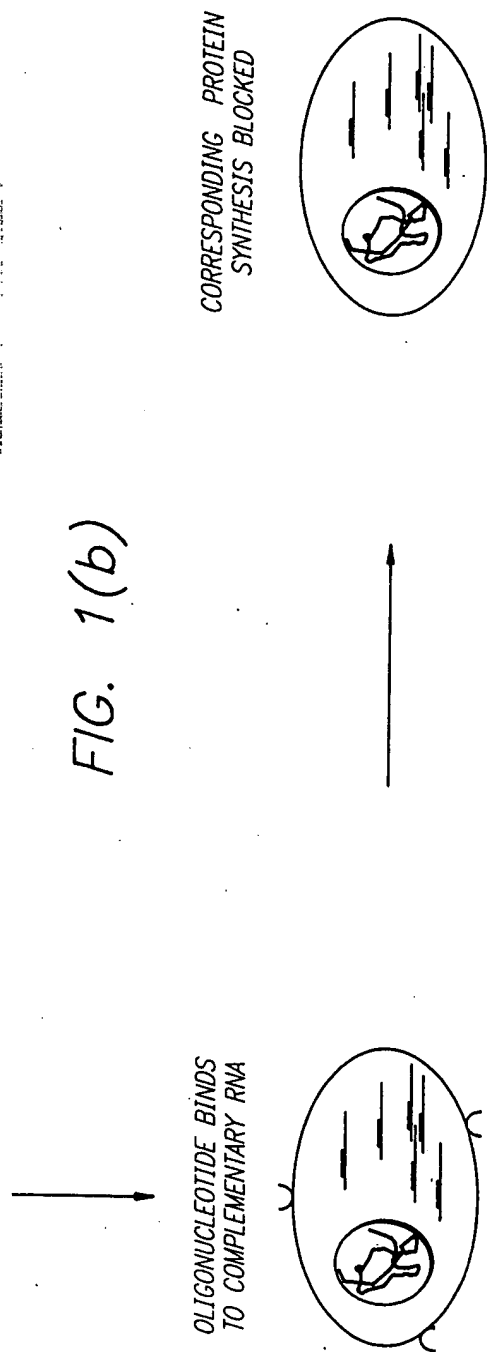
APPROVED	FIG. 1
BY	DATE
435	320
DRAFTS	

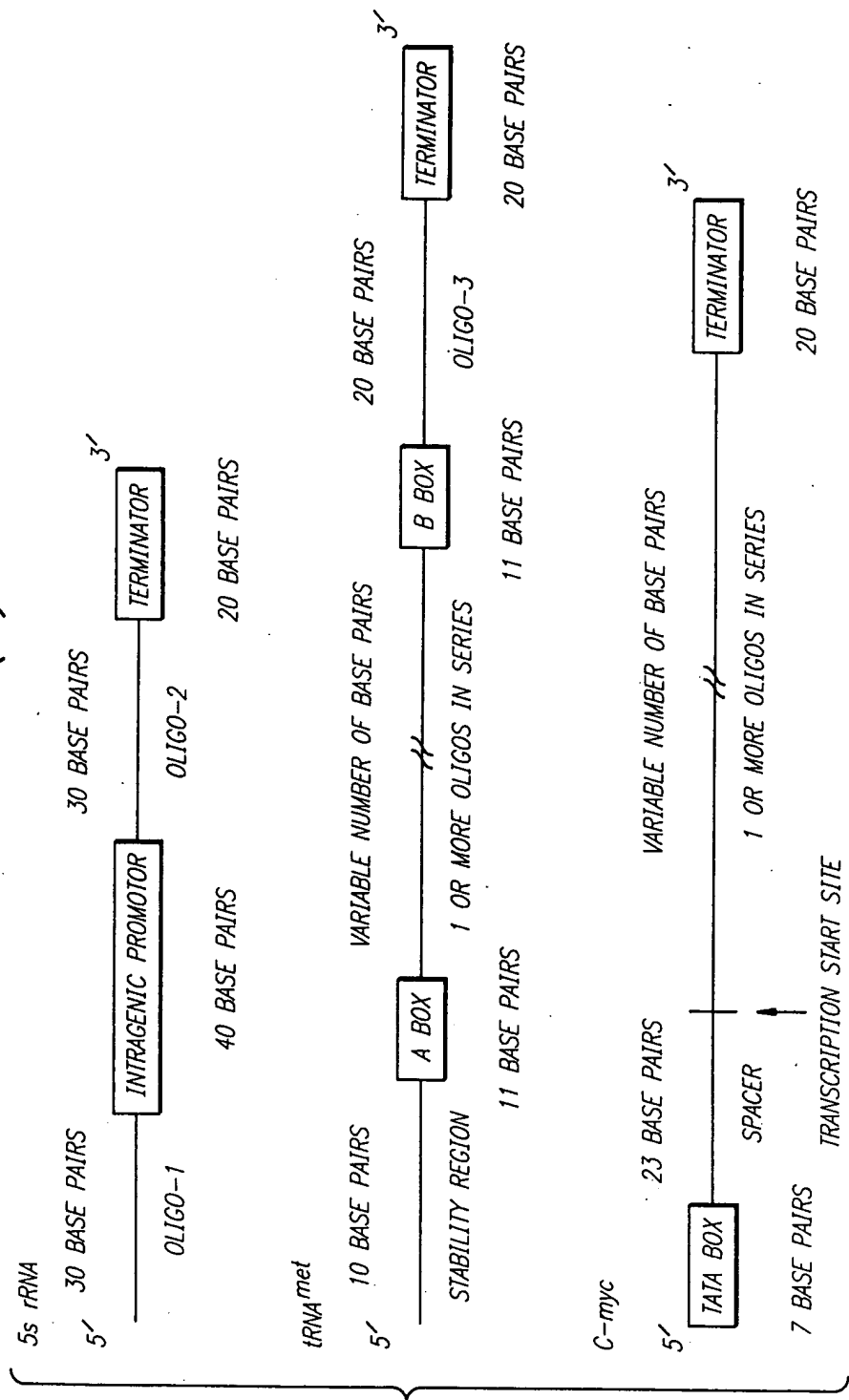
FIG. 1(a)



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FIG. 1(b)





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DEPT. OF COM.	

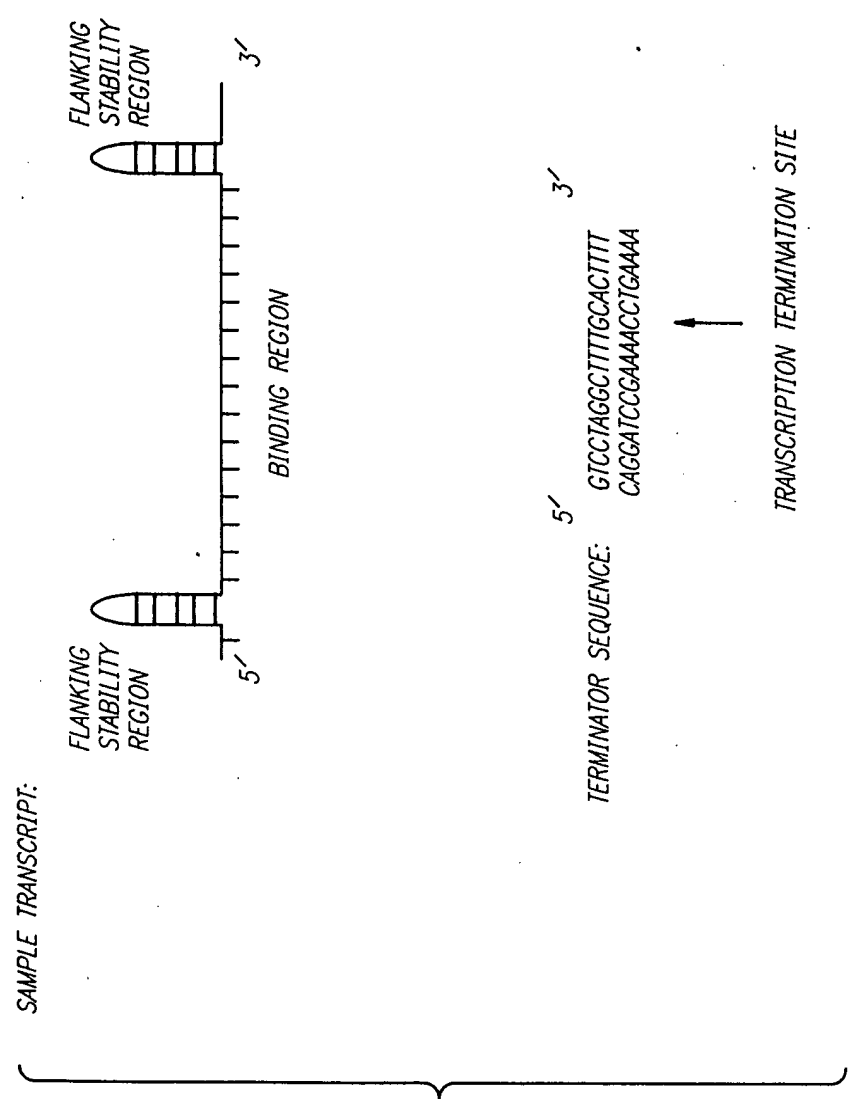


FIG. 2(b)

HER2 PROMOTER FRAGMENT

-68

3' TCCTCTTCTCTCTCCAGCTCTCTCTCCGACGAACTCCTTCATATTCCTTA
5' AGGAGAAGGAGGAGGTGGAGGAGGAGGGCTGCTTGAGGAAGTATAAGAAAT

CU-RICH TRIPLEX FORMING RNA

3' AGGAGAGGAGGAGGGG GA-RICH TRIPLEX FORMING RNA

APPROVED BY: [Signature]
 DATE: 10/16/82
 BY: [Signature]
 GRAFIS/SHB

FIG. 4A

THE U6 SMALL NUCLEAR RNA GENE

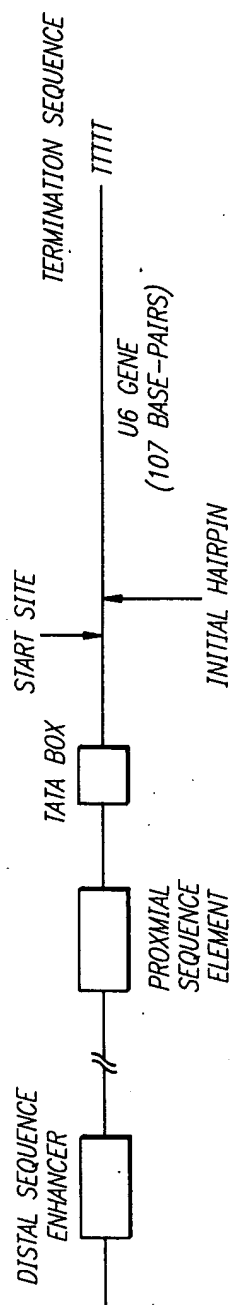


FIG. 4B
THE CHIMERIC OLIGONUCLEOTIDE PRODUCING GENE

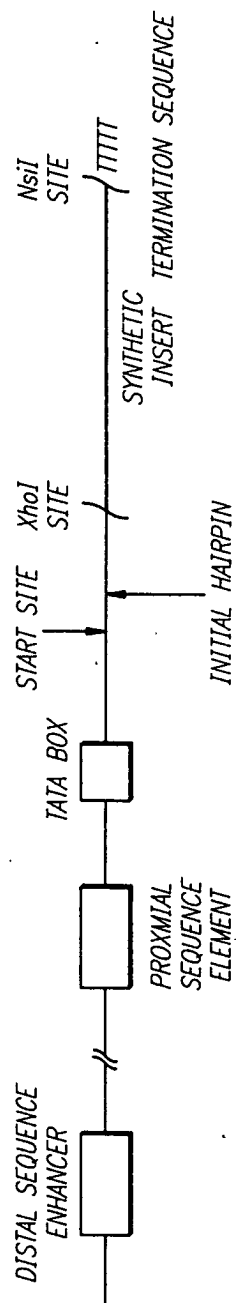


FIG. 4C
THE U6ON OLIGONUCLEOTIDE

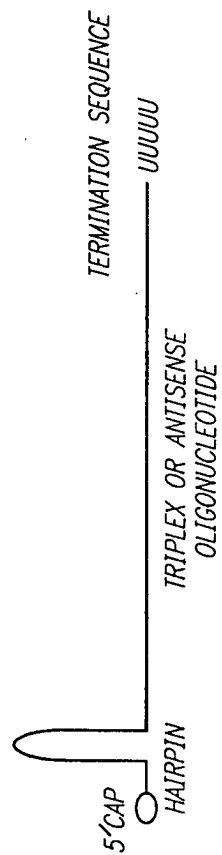


FIG. 5A

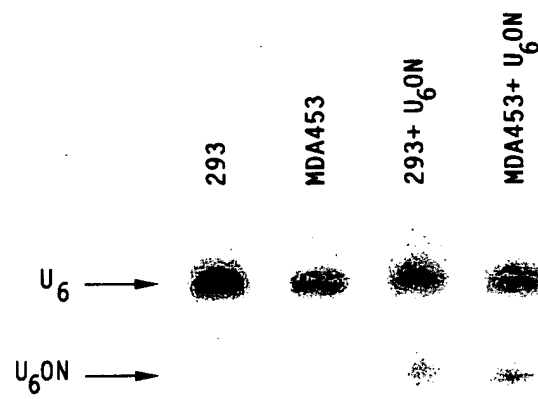


FIG. 5B

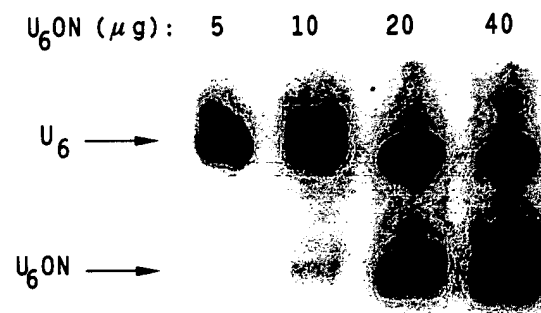
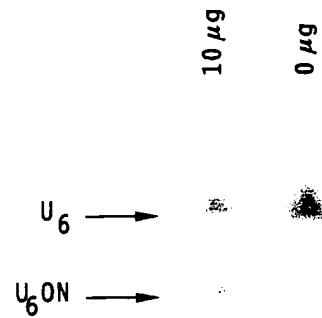


FIG. 5C



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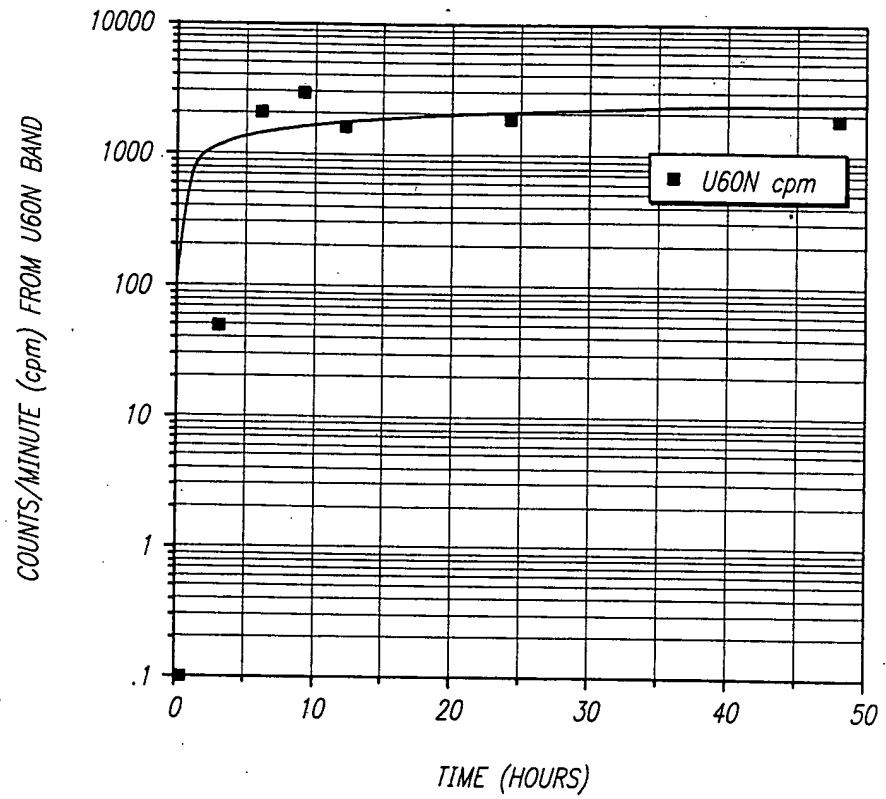


FIG. 6A

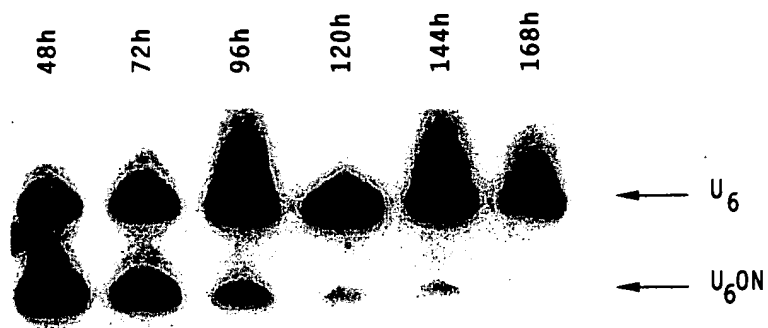


FIG. 6B

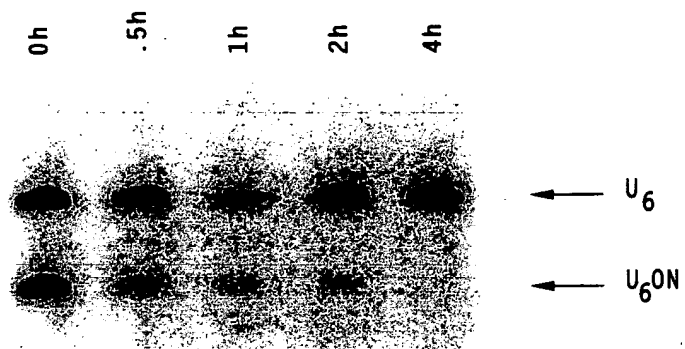
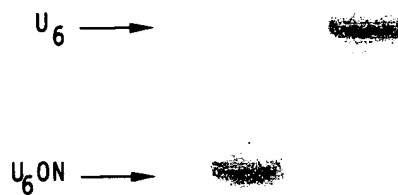


FIG. 7B

Ab:	+	+	.
U ₆ ON:	+	.	.

FIG. 8



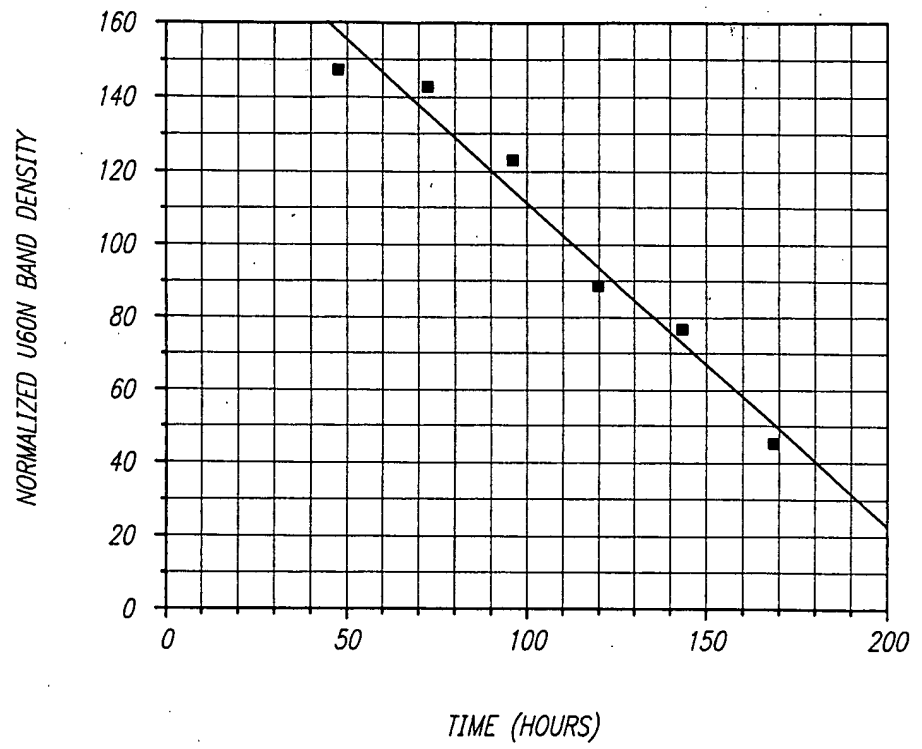


FIG. 7A



FIG. 9A

u c
u g
CG
GC
c UA
CG
GC
UA20 40
1 GCAUAUccu:CGaccucccuucccuucccuuccCUUC:::C^u c^c
UAUAccuuGC:::GAAGuacG^u a^c
U 60
U 80
U U6Tcon ENERGY = -12.72 kcal
U (U60N ENERGY = -12.46 kcal)

1 20
GuGcuCGCUUCg:GCAgCACAUau::CCuCGaC::AUG^a c^g
C:CuuGCGAAGuaCGUaGUGUAagaacGG:GC:GgacUAC^u u^a
A 60 40
U
A 80
UUUUU

U6AS ENERGY = -30.83 kcal
(mU6 ENERGY = -26.48 kcal)

FIG. 9B

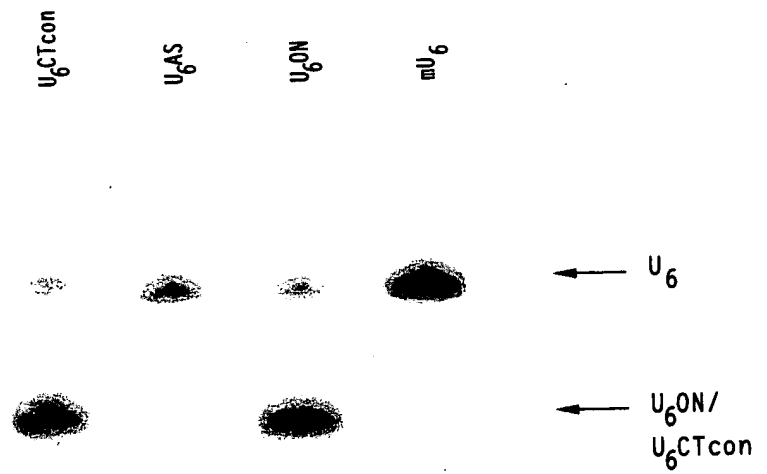


FIG. 10

HER2 PROMOTER MAP AND
 TRIPLEX RNA OLIGONUCLEOTIDE

TRIPLEX RNA OLIGONUCLEOTIDE

-77 5' UCCUCUCCUCCUCCUCCUCCUCCUCC 3' -20
 5' CCCAATCACAGGAGAGGAGGAGGTGGAGGAGGAGGGCTGCTTGAGGAAGTAAAGAA 3'
 GGGTTAGTGCTCTTCTCCTCCTCCACCTCCTCCTCCGACGAACTCCTTCATATCTT

[REDACTED] [REDACTED] [REDACTED]

CAAT
 BOX

ets- TATA
 ELEMENT BOX

FIG. 11A

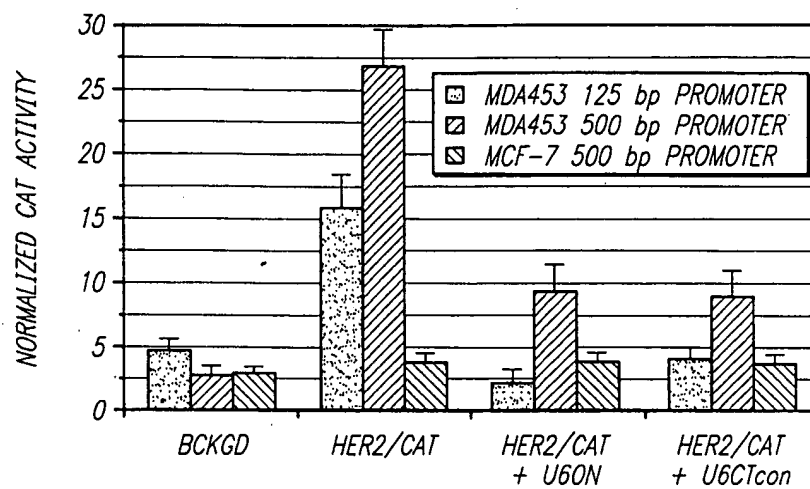


FIG. 11B

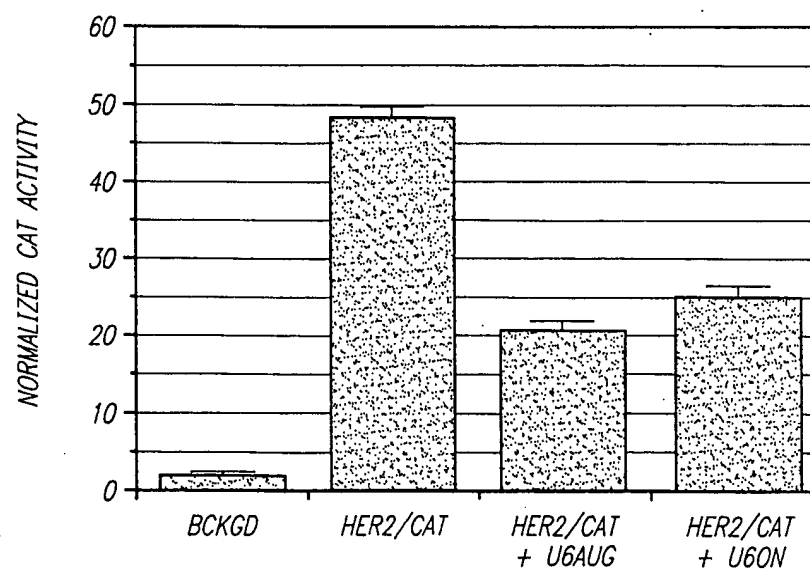


FIG. 12A

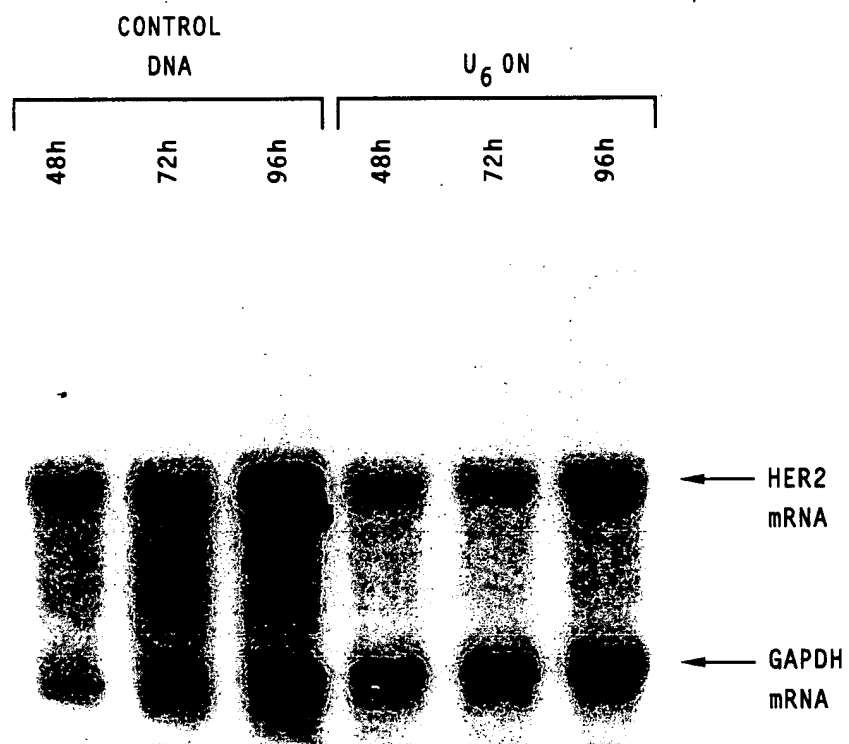


FIG. 12B
BY
DATE

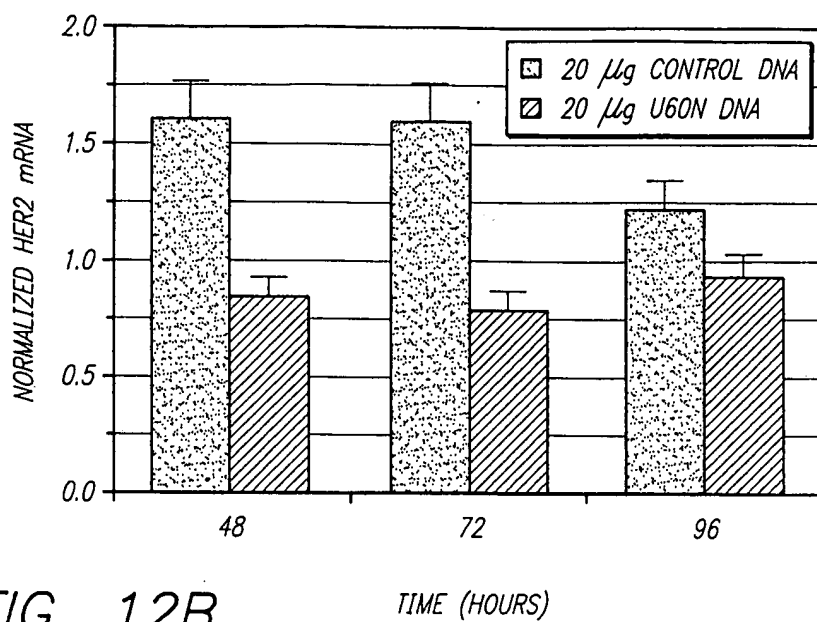


FIG. 12B

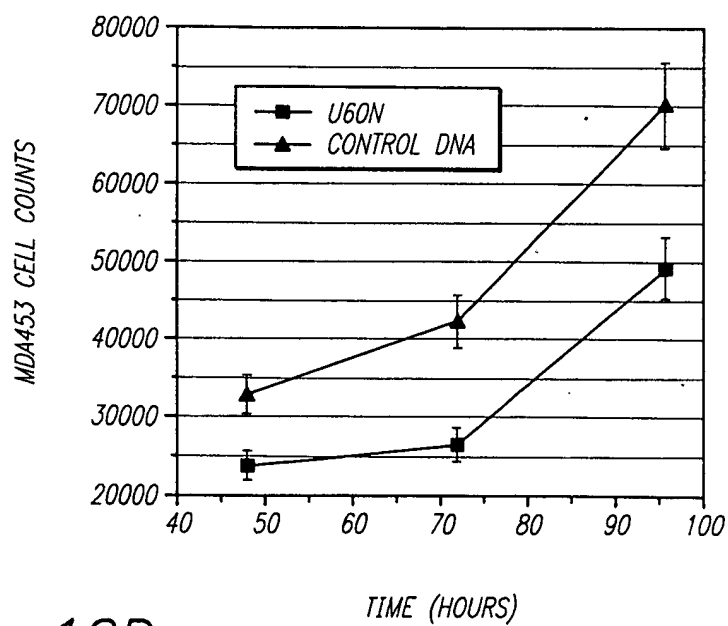


FIG. 12D

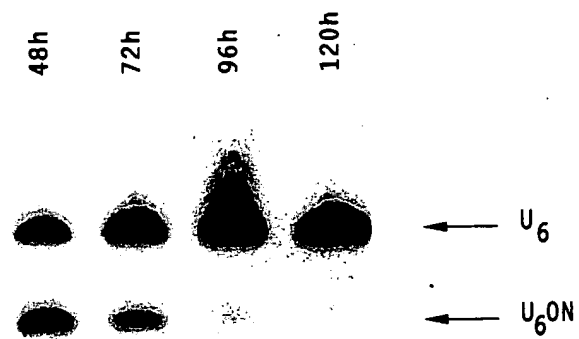


FIG. 12C

FIG. 14A

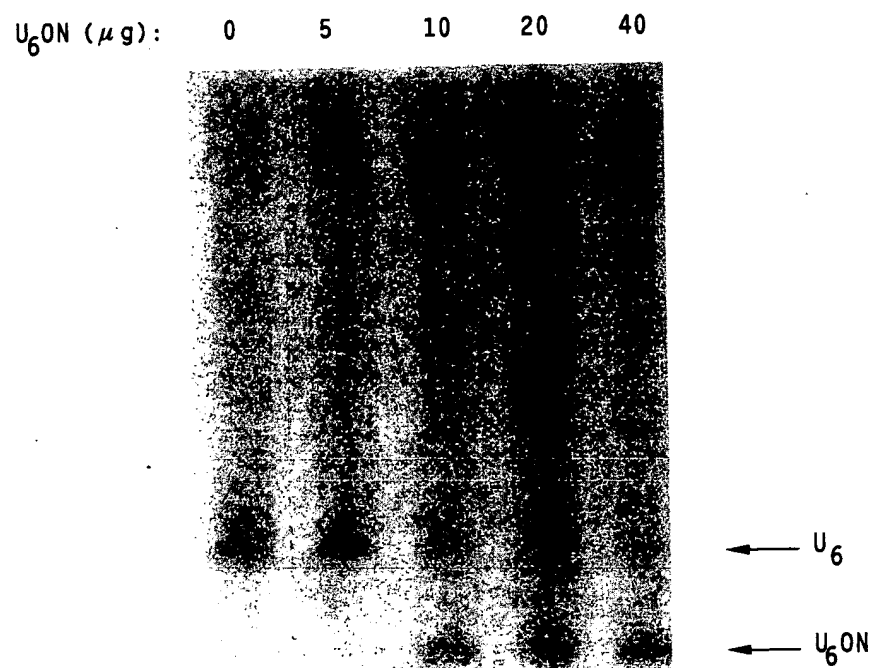
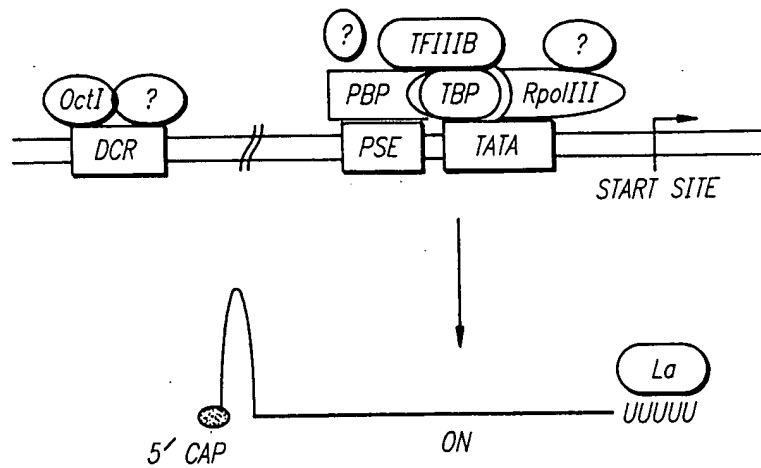


FIG. 13



POSSIBLE FACTORS IN LIMITING SUPPLY:

RNA POLYMERASE III (RpoIII)
 TFIIB CONTAINING THE TATA BINDING PROTEIN (TBP)
 PROXIMAL SEQUENCE ELEMENT BINDING PROTEIN (PBP)
 UPSTREAM ENHANCERS (OctI, ?)
 OTHER UNCHARACTERIZED TRANSCRIPTIONAL FACTORS (?)
 5' CAPPING ENZYME, CO-FACTORS
 LUPUS ASSOCIATED ANTIGEN (La)

BY CLAUDE SUPPLAS
DRAFTSMAN

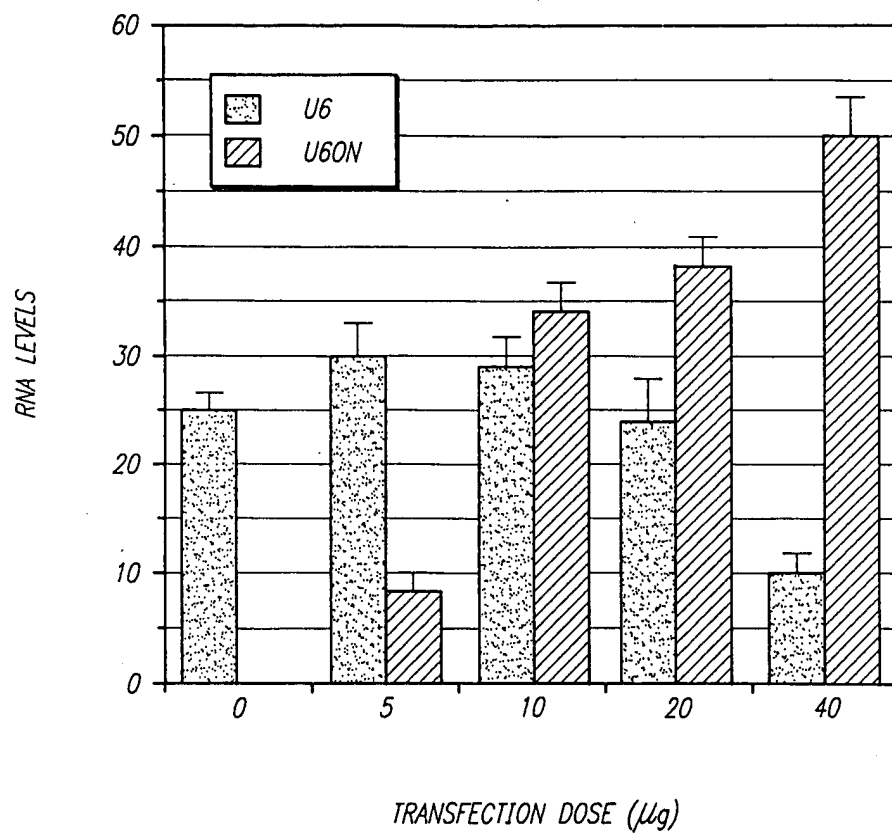


FIG. 14B

FIG. 15

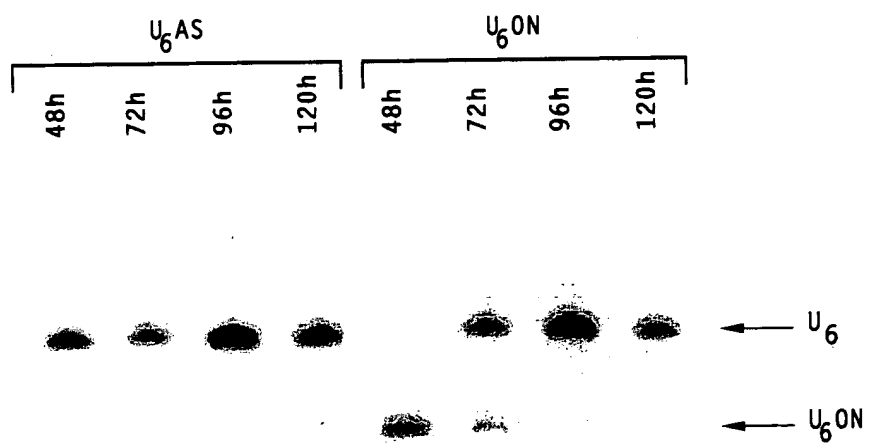


FIG. 16

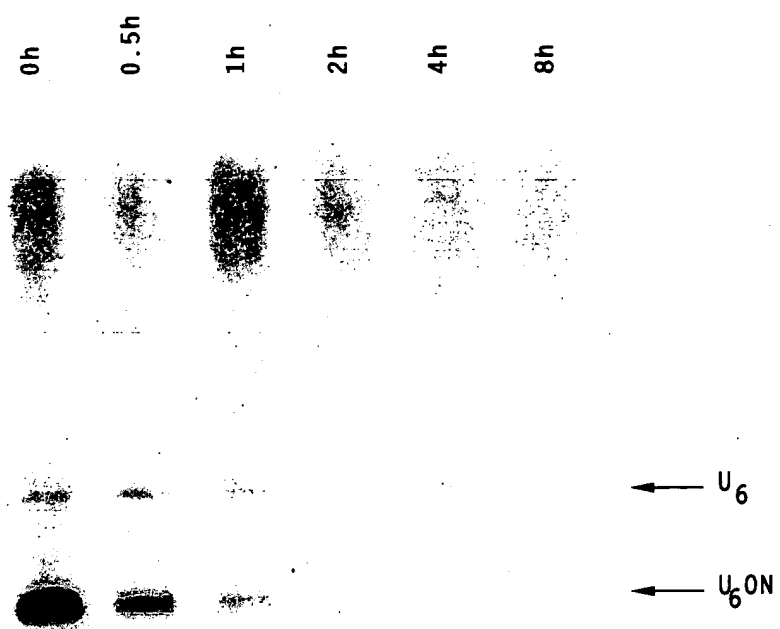


FIG. 17
BY
DATE

FIG. 17

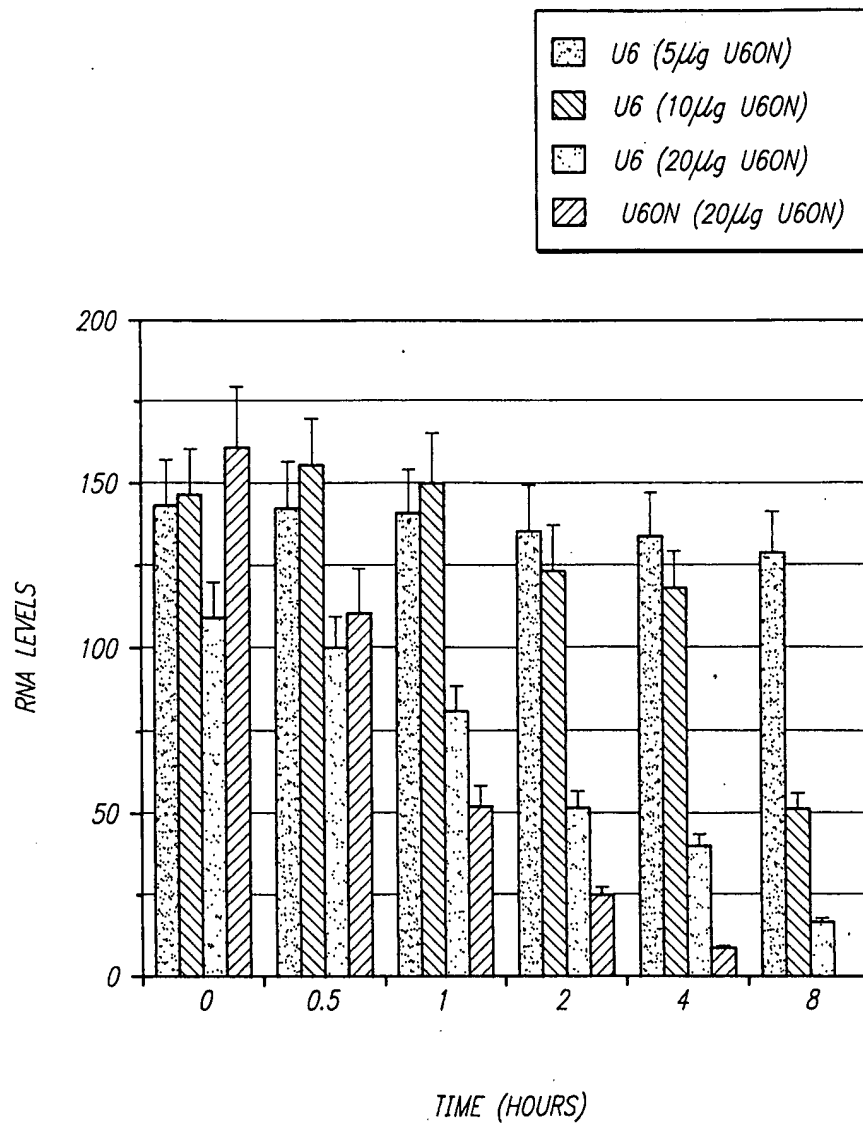


FIG. 18A

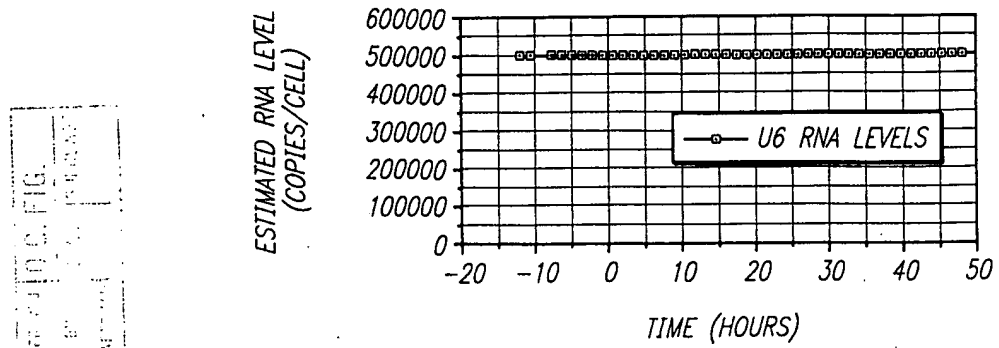


FIG. 18B

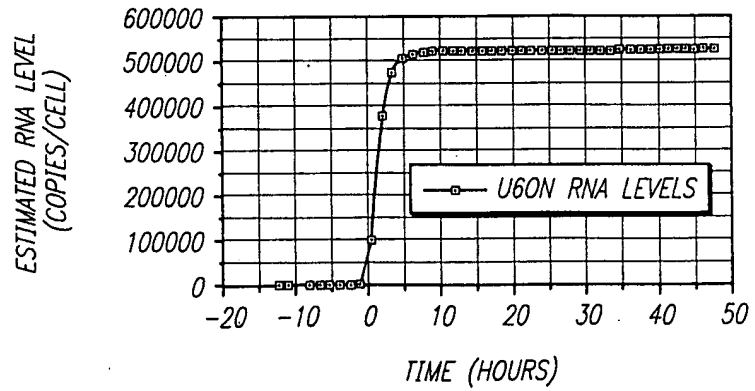


FIG. 18C

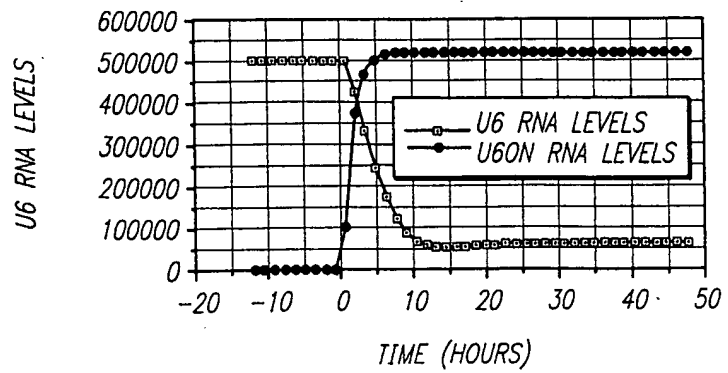


FIG. 19

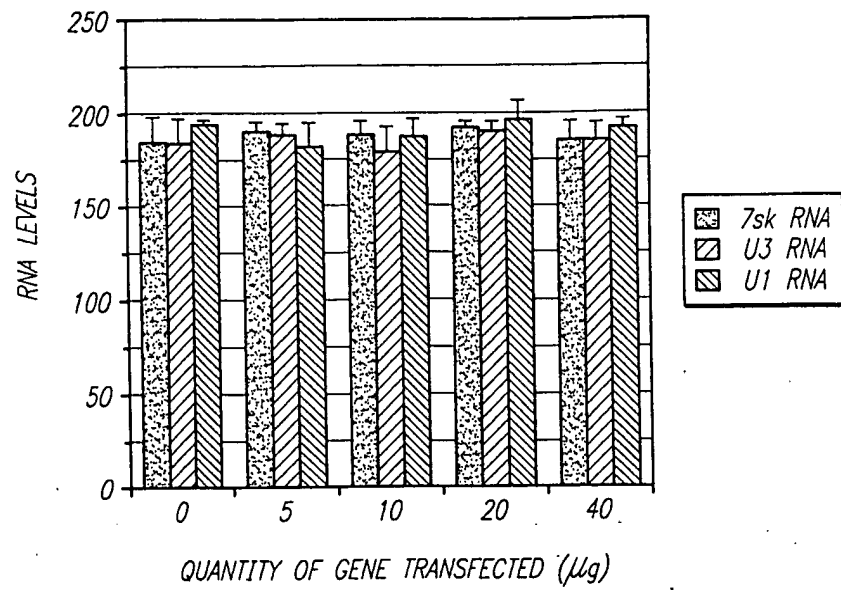


FIG. 20A

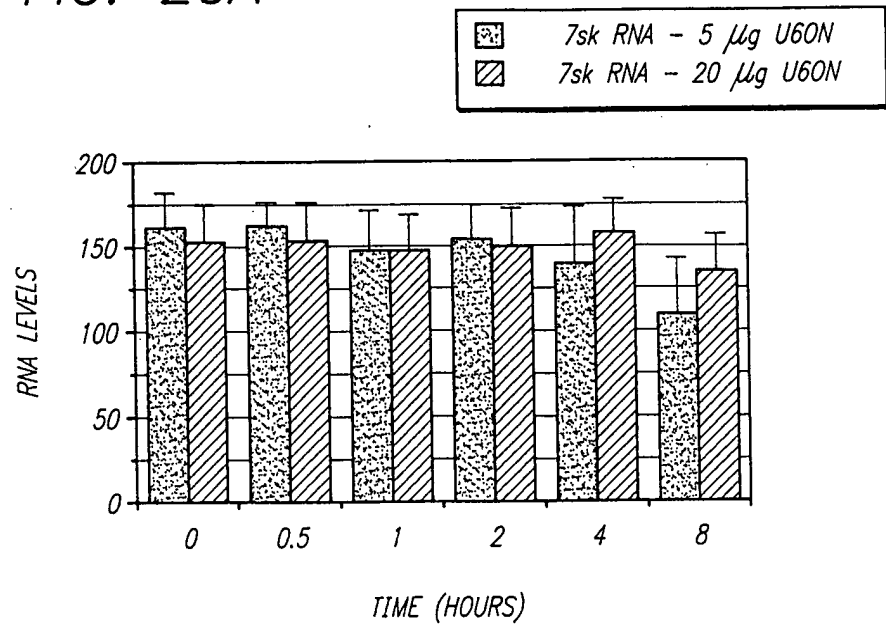


FIG. 20B

FIG. 20B
U1 RNA - 5 μ g U60N
U1 RNA - 20 μ g U60N
U1 RNA - 5 μ g U60N
U1 RNA - 20 μ g U60N

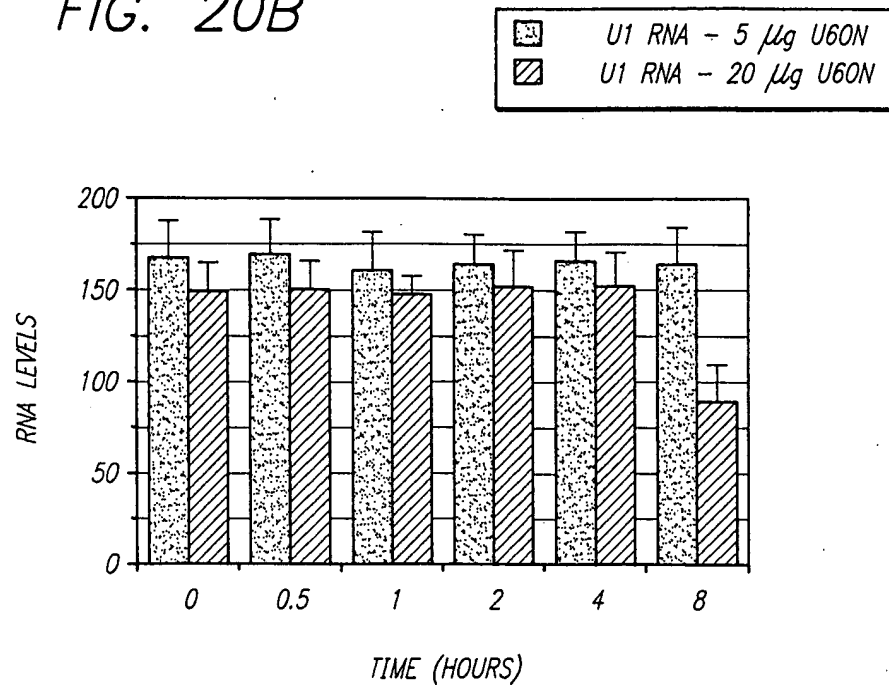


FIG. 20C

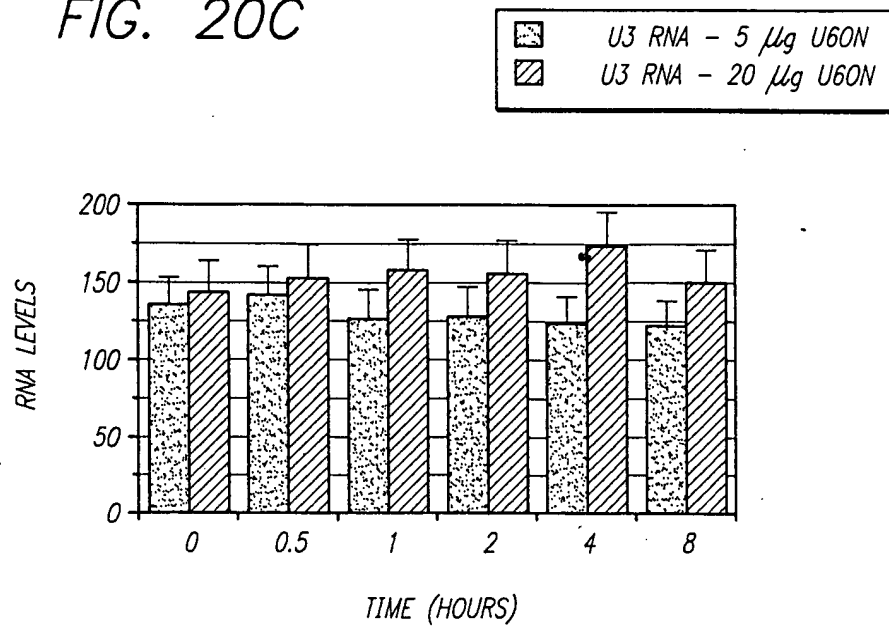


FIG. 21
APPROVED FOR PUBLICATION
BY []
DATE 12/27/91

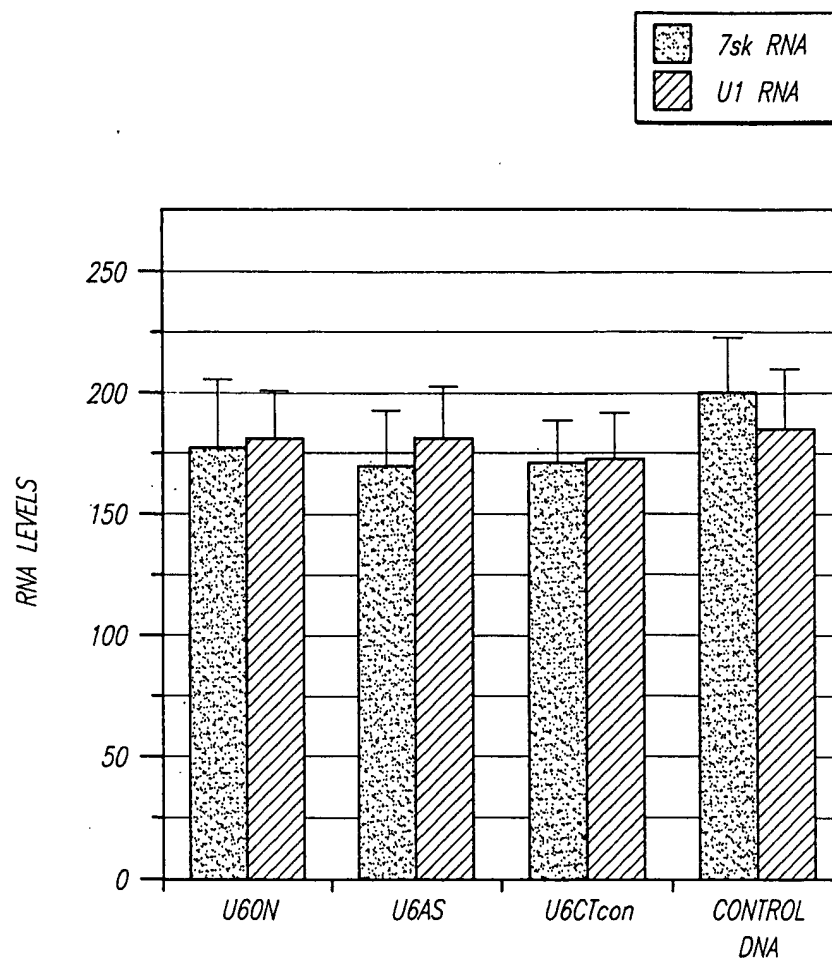


FIG. 21

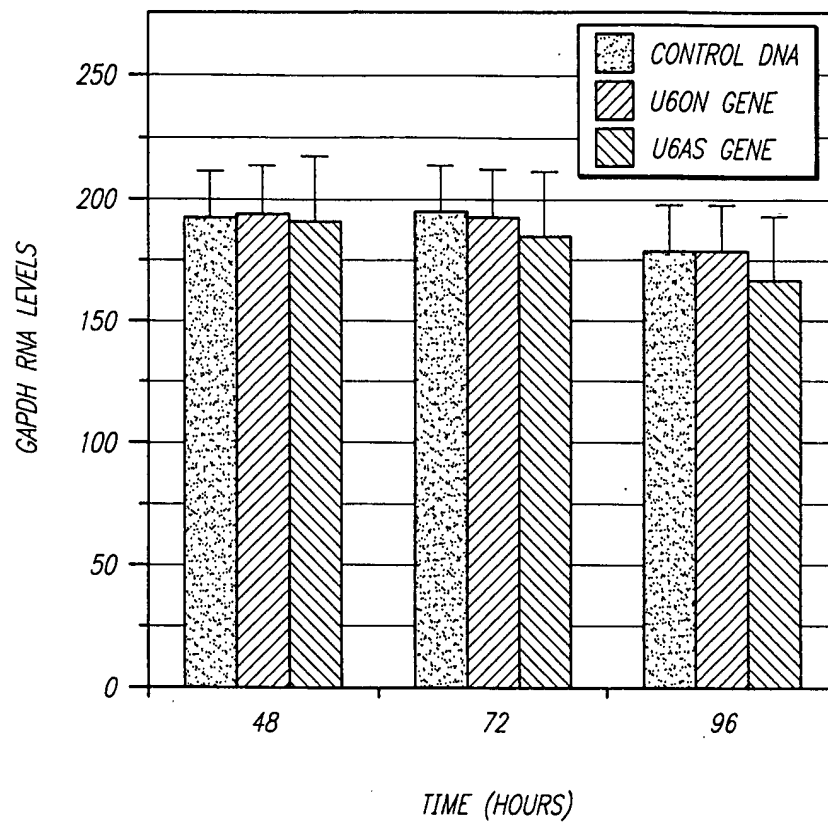
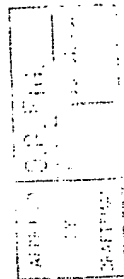


FIG. 22

FIG. 23A

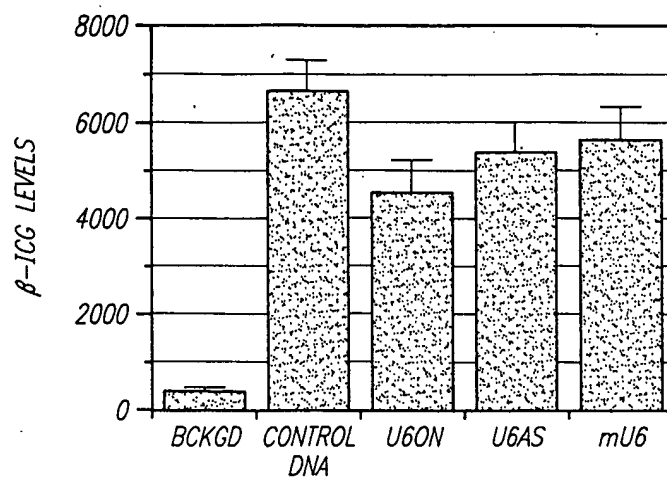
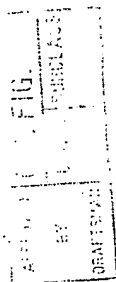


FIG. 23B

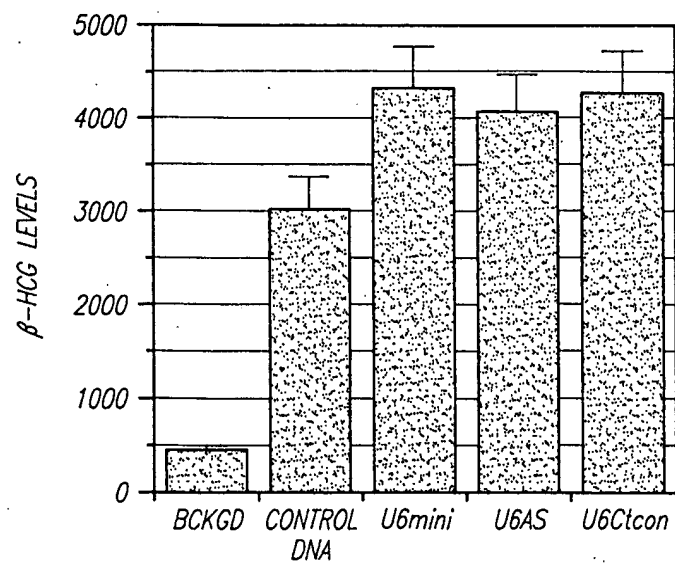


FIG. 25

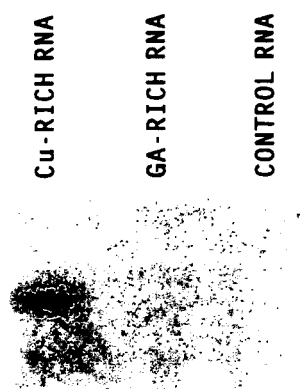


FIG. 26A

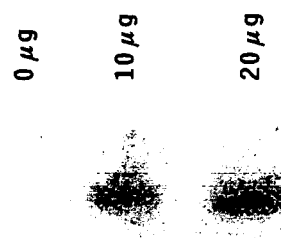


FIG. 26B

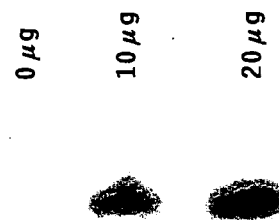
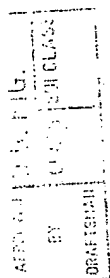


FIG. 27A



U6 PARENT GENE

-240	TTCCCATGAT	TCCTTCATAT	TTGCATATAC
-210	GATACAAGGC	TGTTAGAGAG	ATAATTAGAA
-180	TTAATTTGAC	TGTAAACACA	AAGATATTAG
-150	TACAAAATAC	GTGACGTAGA	AAGTAATAAT
-120	TTCTTGGGTA	GTTTGCAGTT	TTTAAAATTA
-90	TGTTTTAAAA	TGGACTATCA	TATGCTTACC
-60	GTAACCTGAA	AGTATTTTCA	TTTCTTGGCT
-30	TTATATATCT	TGTGGAAAGG	ACGAAACACC
+1	GTGCTCGCTT	CGGCAGCACA	TATCCTCGAG
+31	CATGGCCCCT	GCGCAAGGAT	GACACGCAAA
+61	TGCATGAAGC	GTTCCATATT	TTT 83 NUCLEOTIDES

FIG. 27B

U60N GENERATOR

-240	TTCCCATGAT	TCCTTCATAT	TTGCATATAC
-210	GATACAAGGC	TGTTAGAGAG	ATAATTAGAA
-180	TTAATTTGAC	TGTAAACACA	AAGATATTAG
-150	TACAAAATAC	GTGACGTAGA	AAGTAATAAT
-120	TTCTTGGGTA	GTTTGCAGTT	TTTAAAATTA
-90	TGTTTTAAAA	TGGACTATCA	TATGCTTACC
-60	GTAACCTGAA	AGTATTTTCA	TTTCTTGGCT
-30	TTATATATCT	TGTGGAAAGG	ACGAAACACC
+1	GTGCTCGCTT	CGGCAGCACA	TATCCTCGAC
+31	TCCTCTTCCT	CCTCCACCTC	CTCCTCCCAT
+61	GCATGAAGCG	TTCCATATTT	TT 82 NUCLEOTIDES